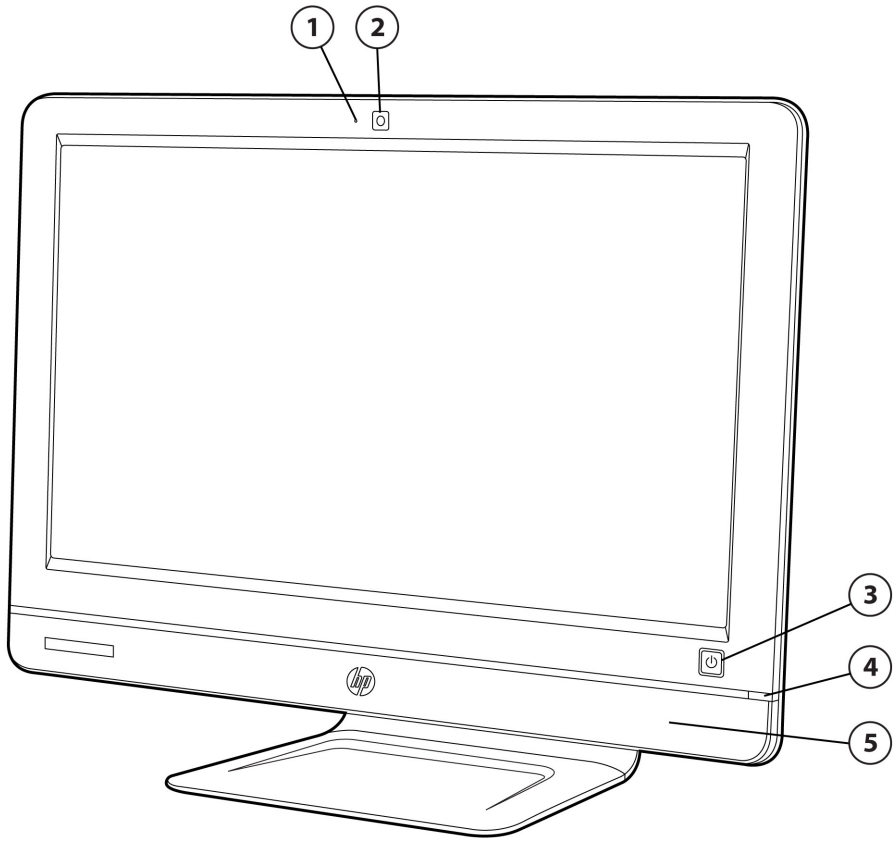
Overview

HP COMPAQ PRO 4300 ALL-IN-ONE PC

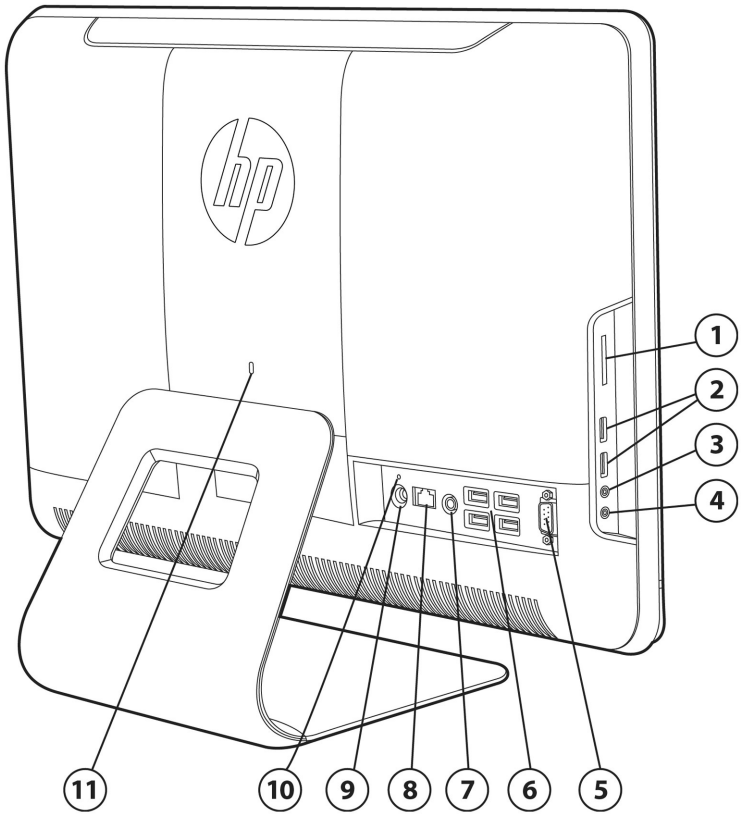


FRONT

1. Webcam Activity LED
2. Webcam & Microphone (optional)
3. Power Button
4. Power Indicator LED
5. Business Quality Speakers

Overview

HP COMPAQ PRO 4300 ALL-IN-ONE PC

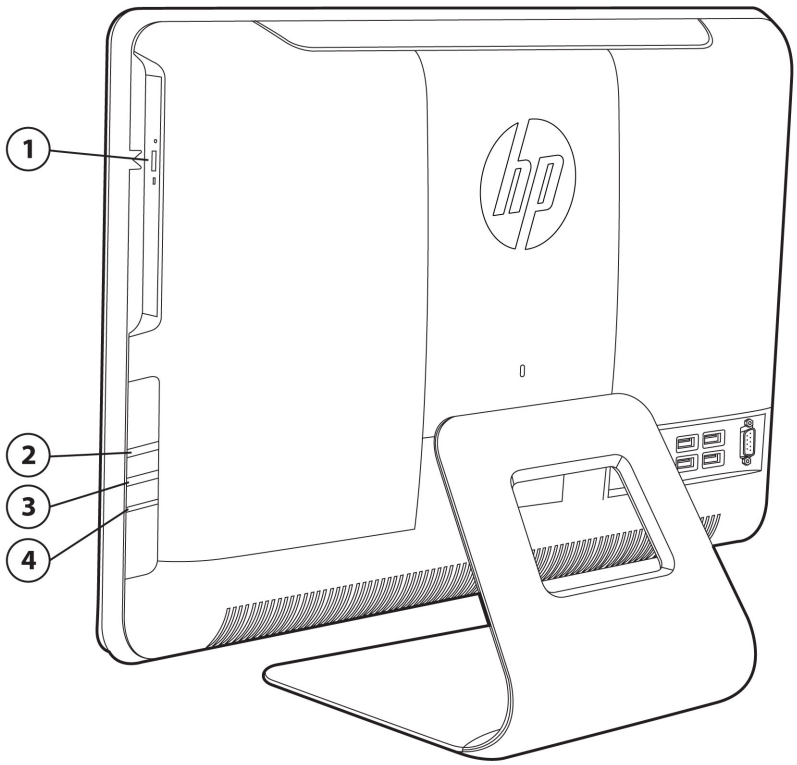


BACK

1. HP 6-in-1 Media Card Reader
2. (2) USB 2.0 ports
3. Microphone jack
4. Headphone jack
5. Serial Port
6. (4) USB 2.0 ports
7. Stereo audio line out
8. RJ-45 Gigabit Ethernet port
9. Power connector
10. Power connector LED indicator
11. Security lock slot

Overview

HP COMPAQ PRO 4300 ALL-IN-ONE PC



SIDE

1. Slim tray-load ODD (optional)
2. Brightness increase button
3. Brightness decrease button
4. Hard drive activity LED

Overview

At A Glance

- Windows 7 or Windows 8
- 20-inch diagonal widescreen WLED backlit anti-glare LCD
- Integrated all-in-one form factor
- Intel® H61 Express chipset
- Intel 2nd & 3rd generation Core™ processors
- Integrated Intel HD Graphics
- Realtek RTL8111F GbE Ethernet Controller optional wireless connectivity:
  - Intel Advanced-N 6205 WLAN (mini PCI Express)
    - Intel 802.11 a/b/g/n
  - WLAN (mini PCI Express)
    - HP 802.11 b/g/n
- Optional Integrated 1.3 MP webcam & Single Non-Array Microphone
- Business quality speakers
- Up to 16 GB of DDR3 SDRAM, dual channel memory support, two SODIMM slots
- Up to 1 TB SATA hard drive, up to 128GB Solid State Drive and a 256GB Self-Encrypting Drive / Solid State Drive
- Slim Tray-load SuperMulti Optical Disc Drive or DVD ROM Optical Disc Drive
- 6-in-1 Media Card Reader
- ENERGY STAR® qualified. EPEAT® registered where applicable/supported. See www.epeat.net for registration status by country.
- SEPA Certified

Standard Features and Configurable Components (availability may vary by country)

OPERATING SYSTEM

Preinstalled

Windows 8 Pro (64-bit)*
Windows 8 (64-bit)*
Windows® 7 Professional (32-bit or 64-bit)**
Windows® 7 Home Premium (32-bit or 64-bit)**
Windows® 7 Professional (32-bit) (available through downgrade rights from Windows 8 Pro)***
Windows® 7 Professional (64-bit) (available through downgrade rights from Windows 8 Pro)***
Windows® 7 Home Basic (32-bit)**
FreeDOS
Novell SUSE Linux Enterprise Desktop 11

* Not all features are available in all editions of Windows 8. Systems may require upgraded and/or separately purchased hardware, drivers and/or software to take full advantage of Windows 8 functionality. See http://www.microsoft.com.

**Not all features are available in all editions of Windows 7. This system may require upgraded and/or separately purchased hardware to take full advantage of Windows 7 functionality. See http://windows.microsoft.com/en-us/windows7/products/home for details.

***This system is preinstalled with Windows® 7 Pro software and also comes with a license and media for Windows 8 Pro software. You may only use one version of the Windows software at a time. Switching between versions will require you to uninstall one version and install the other version. You must back up all data (files, photos, etc.) before uninstalling and installing operating systems to avoid loss of your data.

PROCESSOR

Intel® 3rd Generation Core™ i7 Processors

Intel® Core™ i7-3770S
Up to 3.9 GHz Max. Turbo Frequency (3.1 GHz base frequency), 8 MB cache, 4 cores, 8 threads
Intel HD Graphics 4000
Intel Stable Image Platform Program (SIPP)

Intel® 3rd Generation Core™ i5 Processors

Intel® Core™ i5-3570S
Up to 3.8 GHz Max. Turbo Frequency (3.1 GHz base frequency), 6 MB cache, 4 cores, 4 threads
Intel HD Graphics 2500
Intel Stable Image Platform Program (SIPP)

Intel® Core™ i5-3475S
Up to 3.6 GHz Max. Turbo Frequency (2.9 GHz base frequency), 6 MB cache, 4 cores, 4 threads
Intel HD Graphics 4000
Intel Stable Image Platform Program (SIPP)

Intel® Core™ i5-3470S
Up to 3.6 GHz Max. Turbo Frequency (2.9 GHz base frequency), 6 MB cache, 4 cores, 4 threads
Intel HD Graphics 2500
Intel Stable Image Platform Program (SIPP)

Standard Features and Configurable Components (availability may vary by country)

Intel® 3rd Generation Core™ i3 Processors

Intel® Core™ i3-3240
Intel HD Graphics 2500
3.40 GHz base frequency, 3 MB cache, 2 cores, 4 threads

Intel® Core™ i3-3225
3.30 GHz base frequency, 3 MB cache, 2 cores, 4 threads
Intel HD Graphics 4000

Intel® Core™ i3-3220
3.30 GHz base frequency, 3 MB cache, 2 cores, 4 threads
Intel HD Graphics 2500

Intel® Core™ i3-3210
3.2 GHz base frequency, 3 MB cache, 2 cores, 4 threads
Intel HD Graphics 2500
Supports DDR3 memory up to 1600 MT/s data rate

Intel® 3rd Generation Pentium® Processors

Intel® Pentium® G2120
3.1 GHz base frequency, 3 MB cache, 2 cores, 2 threads
Intel HD Graphics
Supports DDR3 memory up to 1600 MT/s data rate

Intel® Pentium® G2020
2.9 GHz base frequency, 3 MB cache, 2 cores, 2 threads
Intel HD Graphics
Supports DDR3 memory up to 1333 MT/s data rate

Intel® Pentium® G2010
2.8 GHz base frequency, 3 MB cache, 2 cores, 2 threads
Intel HD Graphics
Supports DDR3 memory up to 1333 MT/s data rate

Intel® 2nd Generation Pentium® Processors

Intel® Pentium® G870
3.10 GHz base frequency , 3 MB cache, 2 cores, 2 threads
Intel HD Graphics

Intel® Pentium® G860
3.00 GHz base frequency , 3 MB cache, 2 cores, 2 threads
Intel HD Graphics

Intel® Pentium® G645
2.9 GHz base frequency, 3 MB cache, 2 cores, 2 threads
Intel HD Graphics
Supports DDR3 memory up to 1066 MT/s data rate

Intel® Pentium® G640
2.80 GHz base frequency , 3 MB cache, 2 cores, 2 threads
Intel HD Graphics

Intel® 3rd Generation Celeron® Processors

Standard Features and Configurable Components (availability may vary by country)

Intel® Celeron® G1620
2.7 GHz base frequency, 2 MB cache, 2 cores, 2 threads
Intel HD Graphics
Supports DDR3 memory up to 1333 MT/s data rate
Intel® Celeron® G1610
2.6 GHz base frequency, 2 MB cache, 2 cores, 2 threads
Intel HD Graphics
Supports DDR3 memory up to 1333 MT/s data rate

Intel® 2nd Generation Celeron® Processors

Intel® Celeron® G555
2.7 GHz base frequency, 2 MB cache, 2 cores, 2 threads
Intel HD Graphics
Supports DDR3 memory up to 1066 MT/s data rate
Intel® Celeron® G550
2.60 GHz base frequency , 2 MB cache, 2 cores, 2 threads
Intel HD Graphics
Intel® Celeron® G540
2.50 GHz base frequency , 2 MB cache, 2 cores, 2 threads
Intel HD Graphics
Intel® Celeron® G460
1.80 GHz base frequency, 1.5 MB cache, 1 core, 2 threads
Intel HD Graphics
Intel® Celeron® G465
1.90 GHz base frequency, 1.5 MB cache, 1 core, 2 threads
Intel HD Graphics
Supports DDR3 memory up to 1066 MT/s data rate

CHIPSET

Intel® H61 Express

SMBIOS

System Management BIOS, previously known as DMI BIOS, is used to store system management information.

GRAPHICS

Integrated (depends on processor)

Intel HD Graphics: Basic, 2500, or 4000

Models with Intel Core i3/i5/i7 processors include HD 2500 or 4000 graphics. Models with Pentium or Celeron processors include HD graphics. Please see specific processors for graphics configuration.

Standard Features and Configurable Components (availability may vary by country)

DISPLAY

20" diagonal TN widescreen WLED backlit anti-glare LCD; optional integrated 1.3 MP webcam & single non-array microphone; maximum resolution of 1600 x 900

Display Panel	Type	TN (Twisted Nematic) LED Backlit LCD
	Viewable image area (horizontal & vertical)	442.8(H) x 249.075(V) [mm]
	Screen opening (H x V)	446.8(H)×253.2(V) [mm]
	Resolution	1600 × 900
	Aspect ratio	16:9
	Contrast ratio (typical)	1000:1
	Brightness (typical)	250 nits (cd/m^2)
	Viewing angle (typical)	85/85/80/80 (L/R/U/D)
	Pixel pitch	0.27675(H) x 0.27675(V) [mm]
	Backlight lamp life (to half brightness)	30,000 hours minimum
	Color support	Over 16 million colors (through FRM)
	Color gamut (typical)	72%
	Anti-glare	Yes
	Default color temperature	Warm (6500K)
	NOTE: All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.	
Supported Display Modes & Resolutions	1600 x 900 1440 x 900 1366 x 768 1360 x 768 1280 x 800 1280 x 768 1280 x 720 1280 x 600 1152 x 864 1024 x 768 800 x 600	
Adjustable Tilt Stand/Tilt Angle	-5º to +25º to the vertical plane	

Standard Features and Configurable Components (availability may vary by country)

STORAGE

SATA Hard Drive

250 GB, 7200 rpm, SATA 6.0 Gb/s, SMART IV
500 GB, 7200 rpm, SATA 6.0 Gb/s, SMART IV
1 TB, 7200 rpm, SATA 6.0 Gb/s, SMART IV

Solid State Drive

120 GB, SATA, Solid State Drive
128 GB, SATA, Solid State Drive
160 GB, SATA, Solid State Drive

Self-Encrypting Drive

500 GB, SATA, Self-Encrypting Drive

Self-Encrypting Solid State Drive

256 GB, SATA, Self-Encrypting Solid State Drive

Optical Disc Drive

Slim Tray-load SATA DVD-ROM
Slim Tray-load SATA SuperMulti DVD Writer
No included ODD

Media Card Reader

HP 6-in-1
Supports Secure Digital (SD, SDHC), MultiMedia Card, Picture Card, Memory Stick, Memory Stick Pro

MEMORY

Type

Non-ECC, DDR3 SDRAM, 1600 MHz, SODIMM (runs at 1333 MHz due to chipset)

Maximum

16 GB

# of Slots

2
204-pin supporting dual-channel memory
Maximized dual-channel performance requires SODIMMs of the same size and speed in both memory slots.

NOTE: Full availability of 4 GB or more of memory requires a 64-bit operating system. With Windows 32-bit operating systems, the amount of usable memory is dependent upon your configuration, so that above 3 GB all memory may not be available due to system resource requirements.

Standard Features and Configurable Components (availability may vary by country)

NETWORKING/COMMUNICATIONS

Ethernet (RJ-45)

Integrated Realtek RTL8111F GbE 10/100/1000
With Wake-on-LAN

NOTE: The term "10/100/1000" or "Gigabit" Ethernet indicates compliance with IEEE standard 802.3ab for Gigabit Ethernet, and does not connote actual operating speed of 1 Gb/s. For high-speed transmission, connection to a Gigabit Ethernet server and network infrastructure is required.

Wireless

Intel 802.11 a/b/g/n wireless 6205 PCIe minicard (optional)
Up to 300 mbps data rate

HP 802.11 b/g/n wireless PCIe minicard (optional)
Up to 300 mbps data rate

AUDIO/MULTIMEDIA

Realtek ALC269 codec - 16 & 24-bit PCM

Integrated business class 2.0 speakers (2W x 2) with Basic Business Audio

Volume control and mute buttons

Stereo headphone jack

Microphone in

Stereo line out

Optional integrated 1.3 MP webcam & Single Non-Array Microphone - Up to 30 frames/sec

Business quality speakers

KEYBOARDS AND POINTING DEVICES

Keyboard

HP USB Standard	104 keys plus special functions for Mute, Volume Up, Volume Down, Sleep Separate numeric keypad Cable length 51 in (130 cm)
HP Wireless Keyboard & Mouse	104 keys plus special functions for Mute, Volume Up, Volume Down, Sleep Separate numeric keypad; two buttons with scroll wheel acting as third button Operates at ~ 2.4 GHz and supports a working distance of up to 32 ft (10m) Cable length 6ft (1.8m) Keyboard contains 25% recycled plastics. (Keyboard contains 25% post-consumer recycled plastic content)

Standard Features and Configurable Components (availability may vary by country)

HP USB CCID SmartCard Keyboard	104, 105, 106, 107, 109 layout (depending upon country Carbonite/Silver All ISO 7816 smart cards
HP USB PS/2 Washable Keyboard	SpillSeal® keyboard technology protection USB & PS/2 support in one solution Separate numeric keypad Cable length 7ft (2.2m)
Mice	
HP USB Optical Mouse	Two buttons with scroll wheel 72.8 in (185 cm)
HP USB 1000dpi Laser Mouse	1000 dpi support Two buttons with scroll wheel Cable length 70.8 in (180 cm)
HP USB PS/2 Washable Scroll Mouse	SpillSeal® mouse technology protection Two buttons with scroll wheel 8.8 ft total 70 cm+ 2m extension

SECURITY

Security lock slot

HP Keyed Cable Lock

USB port disable

POWER

External 150W, 89% efficient, active PFC
100-240V AC

HP Power Assistant software (optional)
Provides real-time reporting of how system settings impact the energy consumed by the PC and the potential savings over time.

SOFTWARE

Included	Windows 8	Windows 7
Security	HP Client Security***** • Credential Manager • Password Manager • One Step Logon • Face Recognition • SpareKey • Device Access Manager w/JITA • Drive Encryption* • Computrace - optional ** Windows Defender	HP Client Security***** • Credential Manager • Password Manager • One Step Logon • Face Recognition • SpareKey • DigitalPass • Device Access Manager w/ JITA • Drive Encryption (McAfee) • File Sanitizer • Privacy Manager • Computrace - *optional* **

Standard Features and Configurable Components (availability may vary by country)

		Microsoft Security Essentials
Windows Applications	Internet Explorer Store Desktop Photos Mail Games Calendar People (contacts) Messaging SkyDrive Music Video Camera News Sports Weather Maps Finance Bing (Search)	Internet Explorer Bing Search
Productivity	Buy Office MS Office 2013*****	Buy Office MS Office 2013*****
HP Additions	HP PageLift for Windows 8 HP Quick Start HP Registration HP Getting Started with Windows 8 HP ePrint*** HP Support Assistant HP Wallpaper CyberLink Media Suite Windows 8 CyberLink Media Suite CyberLink YouCam (Pre-installed on models with Webcam)**** CyberLink YouCam Windows 8**** CyberLink Webcam Sharing Manager**** CyberLink Power2Go CyberLink Photo Director CyberLink Power Director HP Mobile Connect Evernote Skype	HP Marketplace HP Wallpaper CyberLink Media Suite CyberLink YouCam (Pre-installed on models with Webcam)**** CyberLink Webcam Sharing Manager**** CyberLink Power2Go CyberLink Photo Director CyberLink Power Director
Desktop Applications	HP Wireless Hotspot HP Support Assistant PDF Complete, corporate edition	PDF Complete Corporate Edition WinZip Basic Adobe Flash Player
HP Documentation (eDOCS)	HP eHelp Documentation HP Hardware Reference Guide HP Quick Setup & Getting Started Guide HP Regulatory and Safety Information HP Safety and Comfort Guide HP Warranty Documentation	HP eHelp Documentation HP Hardware Reference Guide HP Quick Setup & Getting Started Guide HP Regulatory and Safety Information HP Safety and Comfort Guide HP Warranty Documentation

Standard Features and Configurable Components (availability may vary by country)

HP Support Applications	HP EUDI Support Environment HP Help and Support HP Registration HP Support Assistant	HP EUDI Support Environment HP Help and Support HP Recovery Manager HP Setup v9.0 HP Support Assistant
AiO Applications	HP MyDisplay HP Linkup	HP MyDisplay HP Linkup

*Available via download
** Computrace agent is shipped turned off, and must be activated by customers when they purchase a subscription. Subscriptions can be purchased for terms ranging from one to five years. Service is limited, check with Absolute for availability outside the U.S.
*** Requires an Internet connection to HP web-enabled printer and HP ePrint account registration (for a list of eligible printers, supported documents and image types and other HP ePrint details, see www.hp.com/go/eprintcenter).Requires optional broadband module. Broadband use requires separately purchased service contract. Check with service provider for coverage and availability in your area. Separately purchased data plans or usage fees may apply. Print times and connection speeds may vary.
****Preinstalled on models with webcam
*****Optional

ENVIRONMENTAL & INDUSTRY

Energy Star® qualified models available

EPEAT® registered where applicable/supported. See www.epeat.net for registration status by country.

Industry standard certifications:
UL
CSA
FCC compliance
Energy Star®
EPEAT® Silver
EUP Lot6 Tier2
SEPA
TAA compliant

For accessibility information on HP products, please visit: http://www.hp.com/accessibility.

Standard Features and Configurable Components (availability may vary by country)

WEIGHTS & DIMENSIONS

Weight

With stand
15.36 lbs
6.97 kg

Without stand
12.63 lbs
5.73 kg

With shipping carton
24.36 lbs
11.05 kg

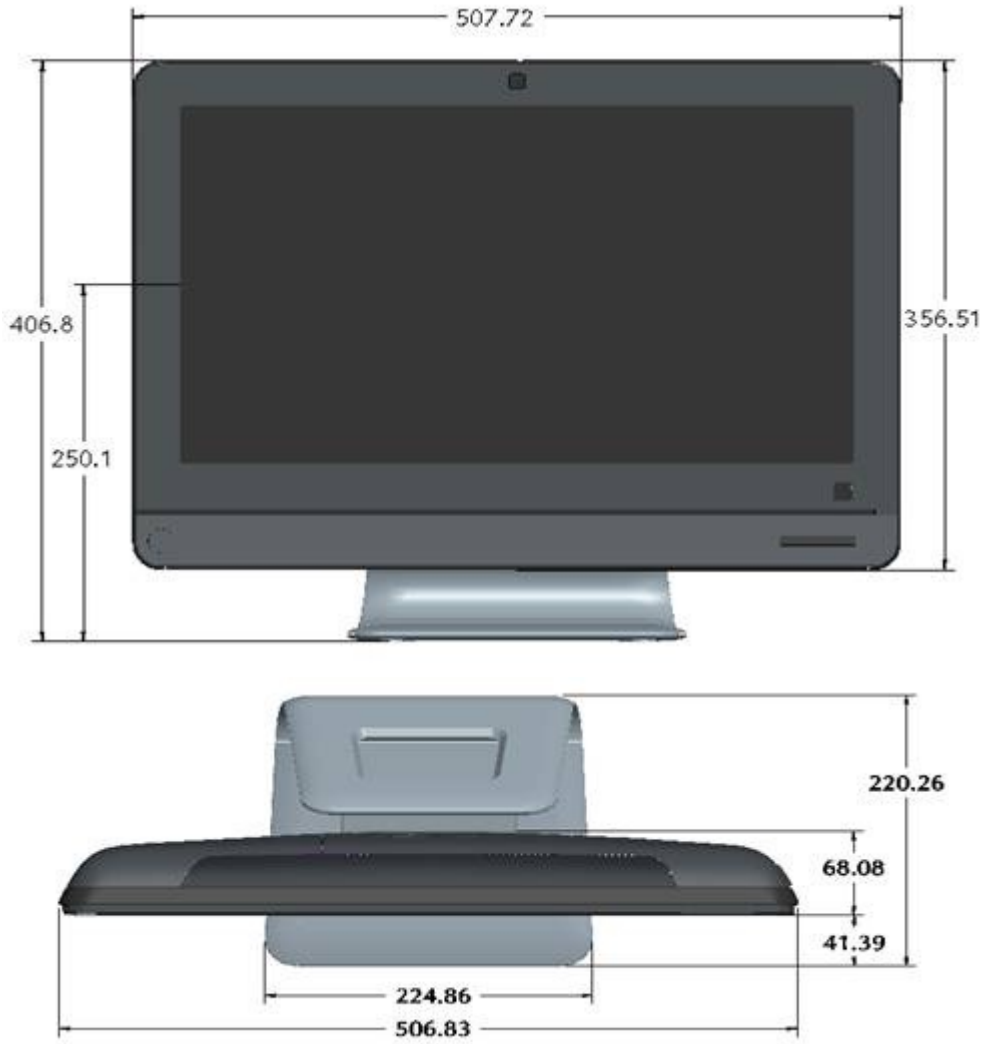
Dimensions (W x D x H)

With stand
20 x 8.66 x 16 in
507.72 x 220.26 x 406.8 mm

Without stand
20 x 2.7 x 14 in
507.72 x 68.08 X 356.51mm

Shipping carton
23.07 x 10.94 x 19.45 in
586 x 278 x 494 mm

Detailed dimensions (mm)



Standard Features and Configurable Components (availability may vary by country)

TEMPERATURE, HUMIDITY, ALTITUDE

Temperature	Operating	41 to 95°F 5 - 35°C
	Non-operating	-22 to 149°F -30° to 65°C
Relative humidity	Operating	15 - 80% at 26° C
Altitude (unpressurized)	Operating	0 to 6500 ft (0 to 2000 m)
	Non-operating	0 to 15,000 ft (0 to 4,572 m)

PORTS

I/O Ports - Standard

6 - USB 2.0 (2 side, 4 rear)

1 - Microphone in (side)

1 - Headphone jack (side)

1 - Serial RS-232 (rear)

1 - Stereo audio line out (rear)

1 - Power connector (rear)

1 - RJ-45 (rear)

SLOTS

1 - Optional mini PCIe half-length (used by optional wireless LAN module)

SERVICE AND SUPPORT

On-site warranty and service[1]: This limited warranty and service offering delivers parts, labor and on-site repair for terms up to 3 years. Response time is next business day[2] and includes free telephone support[3] 24 x 7. Global coverage[2] ensures any product purchased in one country and transferred to another non-restricted country will remain fully covered under the original warranty and service offering. Some countries/regions do not offer one year onsite and labor. For extended service for your HP product, visit HP Care Pack Central: **hp.com/go/cpc**.

NOTE 1: Terms and conditions may vary by country. Certain restrictions and exclusions apply. Other warranty variations may be offered in your region.

NOTE 2: On-site service may be provided pursuant to a service contract between HP and an authorized HP third-party provider, and is not available in certain countries. Global service response times are based on commercially reasonable best effort and may vary by country.

NOTE 3: Technical telephone support applies only to HP-configured Compaq and third-party HP-qualified hardware and software. Toll-free calling and 24 x 7 support may not be available in some countries.

Environmental Data

Environmental Data

Eco-Label Certifications & declarations

This product has received or is in the process of being certified to the following approvals and may be labeled with one or more of these marks:

- US ENERGY STAR®
- IT ECO declaration
- EPEAT® Silver where HP registers commercial desktop products. See **epeat.net** for registration status in your country

System Configuration

The configuration used for the Energy Consumption and Declared Noise Emissions data for the All-in-One Desktop model is based on a typically configured product.

Energy Consumption	**115 VAC**	**230 VAC**	**100 VAC**
Normal Operation	21.20 W	21.22 W	21.34 W
Sleep (Energy Star® low power mode)	1.82 W	1.81 W	1.83 W
Off	0.36 W	0.39 W	0.36 W

Note: Energy efficiency data listed is for an ENERGY STAR® compliant product if offered within the model family . HP computers marked with the ENERGY STAR® Logo are compliant with the applicable U.S. Environmental Protection Agency (EPA) ENERGY STAR® specifications for computers. If a model family does not offer ENERGY STAR® compliant configurations, then energy efficiency data listed is for a typically configured model.

Heat Dissipation*	**115 VAC**	**230 VAC**	**100 VAC**
Normal Operation	72.5 BTU/hr	72.6 BTU/hr	73 BTU/hr
Sleep	6.2 BTU/hr	6.2 BTU/hr	6.2 BTU/hr
Off	1.2 BTU/hr	1.3 BTU/hr	1.2 BTU/hr

* Heat dissipation is calculated based on the measured watts, assuming the service level is attained for one hour.

Declared Noise Emissions (in accordance with ISO 7779 and ISO 9296)	**Sound Power (LWAd, bels**	**Sound Pressure (LpAm, decibels)**
(Typically configured)		
Idle	3.6	26
Fixed Disk (random writes)	3.7	26

Longevity and Upgrading

This product can be upgraded, possibly extending its useful life by several years. Upgradeable features and/or components contained in the product may include:

Environmental Data

- Intel LGA1155 processor socket
- 6 USB ports
- 1 Serial port
- 1 3.5" internal drive slot
- 1 5.25" Slimline optical drive slot
- 2 SODIMM memory slots

Batteries

This battery(s) in this product comply with EU Directive 2006/66/EC

Batteries used in the product do not contain:
Mercury greater the 5ppm by weight
Cadmium greater than 10ppm by weight

Battery size:	CR2032 (coin cell)
Battery type:	Lithium

Additional Information

- This product is in compliance with the Restrictions of Hazardous Substances (RoHS) directive - 2002/95/EC.
- This HP product is designed to comply with the Waste Electrical and Electronic Equipment (WEEE) Directive - 2002/96/EC.
- This product is in compliance with California Proposition 65 (State of California; Safe Drinking Water and Toxic Enforcement Act of 1986).
- This product is in compliance with the IEEE 1680 (EPEAT) standard at the Silver where HP registers commercial desktop products. See **epeat.net** for registration status in your country.
- Plastics parts weighing over 25 grams used in the product are marked per ISO 11469 and ISO1043.
- This product contains 25.6% post consumer recycled plastic (by wt.)
- This product is 92.8% recyclable when properly disposed of at end of life.

Packaging Materials

External:

- PAPER/Corrugated 1300g

Internal:

- PLASTIC/Polyethylene low density 30.9 g
- PLASTIC/EPE-Expanded Polyethylene 374 g

- The PAPER/Corrugated packaging material is made from 50% recycled content.
- The PLASTIC/Polyethylene low density packaging material is made from 0% recycled content
- The PLASTIC/EPE-Expanded Polyethylene packaging material is made from 0% recycled content

RoHS Compliance

Hewlett-Packard is committed to compliance with all applicable environmental laws and regulations, including the European Union Restriction of Hazardous Substances (RoHS) Directive. HP's goal is to exceed compliance obligations by meeting the requirements of the RoHS Directive on a worldwide basis. By July 1, 2006, RoHS substances will be virtually eliminated (virtually = to levels below legal limits) for all HP electronic products subject to the RoHS

Environmental Data

Directive, except where it is widely recognized that there is no technically feasible alternative (as indicated by an exemption under the EU RoHS Directive).

Material Usage

This product does not contain any of the following substances in excess of regulatory limits (refer to the HP General Specification forthe Environment at **hp.com/hpinfo/globalcitizenship/environment/supplychain/gen_specifications.html**

- Asbestos
- Certain Azo Colorants
- Certain Brominated Flame Retardants - may not be used as flame retardants in plastics
- Cadmium
- Chlorinated Hydrocarbons
- Chlorinated Paraffins
- Formaldehyde
- Halogenated Diphenyl Methanes
- Lead carbonates and sulfates
- Lead and Lead compounds
- Mercuric Oxide Batteries
- Nickel - finishes must not be used on the external surface designed to be frequently handled or carried by the user.
- Ozone Depleting Substances
- Polybrominated Biphenyls (PBBs)
- Polybrominated Biphenyl Ethers (PBBEs)
- Polybrominated Biphenyl Oxides (PBBOs)
- Polychlorinated Biphenyl (PCB)
- Polychlorinated Terphenyls (PCT)
- Polyvinyl Chloride (PVC) - except for wires and cables, and certain retail packaging has been voluntarily removed from most applications.
- Radioactive Substances
- Tributyl Tin (TBT), Triphenyl Tin (TPT), Tributyl Tin Oxide (TBTO)

Packaging

HP follows these guidelines to decrease the environmental impact of product packaging:

- Eliminate the use of heavy metals such as lead, chromium, mercury and cadmium in packaging materials.
- Eliminate the use of ozone-depleting substances (ODS) in packaging materials.
- Design packaging materials for ease of disassembly.
- Maximize the use of post-consumer recycled content materials in packaging materials.
- Use readily recyclable packaging materials such as paper and corrugated materials.
- Reduce size and weight of packages to improve transportation fuel efficiency.
- Plastic packaging materials are marked according to ISO 11469 and DIN 6120 standards.

End-of-life Management and

Hewlett-Packard offers end-of-life HP product return and recycling programs in many geographic areas. To recycle your product, please go to:

Environmental Data

Recycling	**hp.com/go/reuse-recycle** or contact your nearest HP sales office. Products returned to HP will be recycled, recovered or disposed of in a responsible manner. The EU WEEE directive (2002/95/EC) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the Hewlett Packard web site at: **hp.com/go/recyclers**. These instructions may be used by recyclers and other WEEE treatment facilities as well as HP OEM customers who integrate and re-sell HP equipment.
Hewlett-Packard Corporate Environmental Information	For more information about HP's commitment to the environment: Global Citizenship Report **hp.com/hpinfo/globalcitizenship/gcreport/index.html** Eco-label certifications **hp.com/hpinfo/globalcitizenship/environment/productdesign/ecolabels.html** ISO 14001 certificates: **hp.com/hpinfo/globalcitizenship/environment/operations/envmanagement.html**

Options and Accessories (sold separately)

Memory	Part Number
HP 2GB DDR3-1600 (PC3-12800) SODIMM	B4U38AA
HP 4GB DDR3-1600 (PC3-12800) SODIMM	B4U39AA
HP 8GB DDR3-1600 (PC3-12800) SODIMM	B4U40AA

Data Storage Drives and Accessories	Part Number
1 TB, 7200 rpm, SATA -6.0 Gb/s	QK555AA
500 GB, 7200 rpm, SATA -6.0 Gb/s	QK554AA
128 GB SATA Solid State Drive	QV063AA

Input Devices	Part Number
HP USB 1000dpi Laser Mouse	QY778AA
HP USB Mouse	QY777AA
HP USB PS/2 Washable Scroll Mouse	BM866AA
HP Mouse Pad	AT485AA
HP USB Smart Card (CCID) Keyboard	BV813AA
HP Wireless Keyboard & Mouse (Keyboard contains 25% post-consumer recycled plastic content)	QY449AA
HP USB PS/2 Washable Keyboard	VF097AA
HP USB Keyboard	QY776AA
HP USB Grey Keyboard	B6B64AA
HP Digital Sketch	BU865AA

Security	Part Number
HP Keyed Cable Lock	BV411AA

Miscellaneous	Part Number
Belkin Promo 7-Outlet Surge Protector	AG290AA
Belkin CAT 5E Patch Cable	AH122AA
Belkin USB to Serial Adapter	EM449AA

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